U.S. Application No.: 10/582,954 Response to OA dated March 29, 2010

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

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Listing of Claims:

1. (currently amended): A combustor for a regeneration type gas turbine, wherein combustion air in the gas turbine is compressed by a compressor and is heated using gas turbine exhaust gas in a regeneration heat exchanger, the combustor comprising:

a tubular combustor liner forming a combustion chamber;

an outer tube provided in an outer peripheral portion side of the combustor liner via a gap;

a first <u>burnerfuel injecting device</u> provided in one end of the combustor liner and injecting a fuel and an air into the combustion chamber;

an air introduction hole introducing a-the combustion air guided from the gap with respect to the outer tube into the combustion chamber; and

a second <u>burnerfuel injecting device</u> provided in the outer tube at a position facing to the air introduction hole and directly injecting the fuel into the combustion chamber from the air introduction hole,

wherein gas is used as the fuel, and the second fuel injecting device has a fuel injection nozzle having an injection angle such that the fuel reaches an outer edge of an air jet from the air introduction hole when the fuel goes to a center portion in a diametrical direction of the combustor liner along an air jet axis from said air introduction hole,

wherein the air introduction hole and the second burnerfuel injecting device are installed at a position so as to inject the combustion air and the gas fuel to a downstream side corresponding to a leading end portion of a flame generated by the first burnerfuel injecting device, a flow speed of the combustion air injected into the

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combustion chamber from the air introduction hole is made higher than a flow speed of a combustion gas around the air introduction hole, the <u>combustion</u> air injected from the air introduction hole is brought into contact with each other within the combustion chamber so as to form a circulation jet flow, the <u>combustion</u> air <u>and the fuel</u> introduced into the combustion chamber from the air introduction hole is mixed with the combustion gas so as to generate a lean air-fuel mixture, an oxidation reaction of the lean air-fuel mixture is started by the circulation jet flow, and a slow oxidation reaction is performed so as to depend on a diffusion of heat to the lean air-fuel mixture and the fuel is slowly oxidized.

- 2. (canceled).
- 3. (canceled).
- 4. (currently amended): A combustor for a gas turbine as claimed inaccording to claim 1, wherein the second burnerfuel injecting device is provided so as to pass through a peripheral wall forming the combustion chamber.
- 5. (currently amended): A combustor for a gas turbine as claimed inaccording to claim 1–3,

wherein the second <u>burnerfuel injecting device</u> is constituted by a plurality of <u>burnersfuel injecting devices</u>, and

these plurality of <u>burners fuel injecting devices</u> are arranged in such a mannersuch that the fuel and the air come into collision with each other near a center portion of the combustion chamber.

6. (currently amended): A combustor for a gas turbine as claimed inaccording to claim 1, wherein the second burnerfuel injecting device is provided

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with a fuel injection nozzle near a center portion of the combustion chamber, such that the fuel is positioned in an outer side of a spray flow of the air.

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7. (currently amended): A combustor for a gas turbine as claimed inaccording to claim 1, wherein the second burnerfuel injecting device is provided with a guide tube guiding the fuel and the air to a center portion of the combustion chamber, in a peripheral wall forming the combustion chamber, and the guide tube protrudes into the combustion chamber.

8.	(currently amended): A combustor <u>according to claim 1, wherein a third</u>
<u>fuel ir</u>	njecting device generating a circulation jet flow of an air-fuel mixture is provided
near a	a terminal end portion of a reaction region within the combustion chamber.for a
gas turbine, comprising:	
	a tubular combustor liner forming a combustion chamber;
	an outer tube provided in an outer peripheral portion side of the combustor
liner via a gap;	
	a first burner provided in one end of the combustor liner and injecting a fuel
and an air into the combustion chamber;	
	an air introduction hole introducing a combustion air guided from the gap with
respe	ect to the outer tube into the combustion chamber; and
w	a second burner provided in the outer tube at a position facing to the air
introd	luction hole and directly injecting the fuel into the combustion chamber from the
air introduction hole,	
	wherein the air introduction hole and the second burner are installed at a
positi	on corresponding to a leading end portion of a flame generated by the first
burne	er, a flow speed of the air injected into the combustion chamber from the air
introd	luction hole is made higher than a flow speed of a combustion gas around the
air int	roduction hole, the air injected from the air introduction hole is brought into
conta	ct with each other within the combustion chamber so as to form a circulation jet

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flow, the air introduced into the combustion chamber from the air introduction hole is mixed with the combustion gas, the fuel is slowly oxidized, and a third burner generating a circulation jet flow of an air-fuel mixture is provided near a terminal end portion of a reaction region within the combustion chamber.

9. (canceled).